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FIG. 1

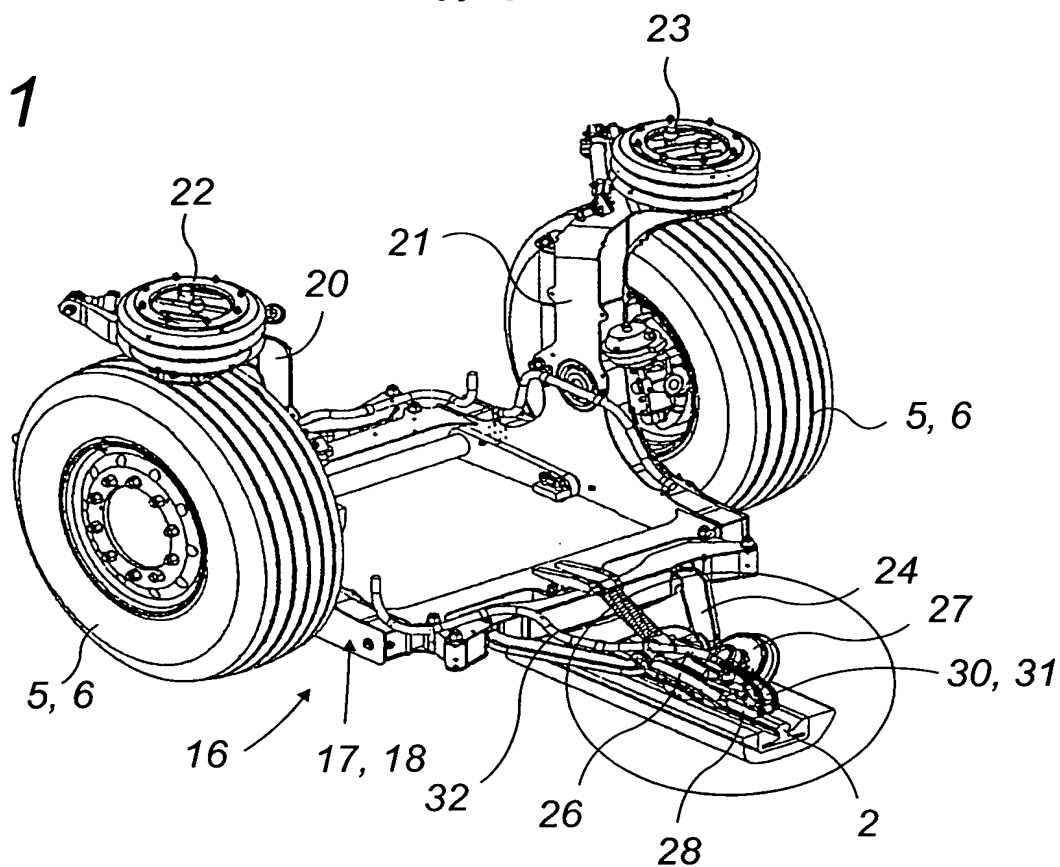
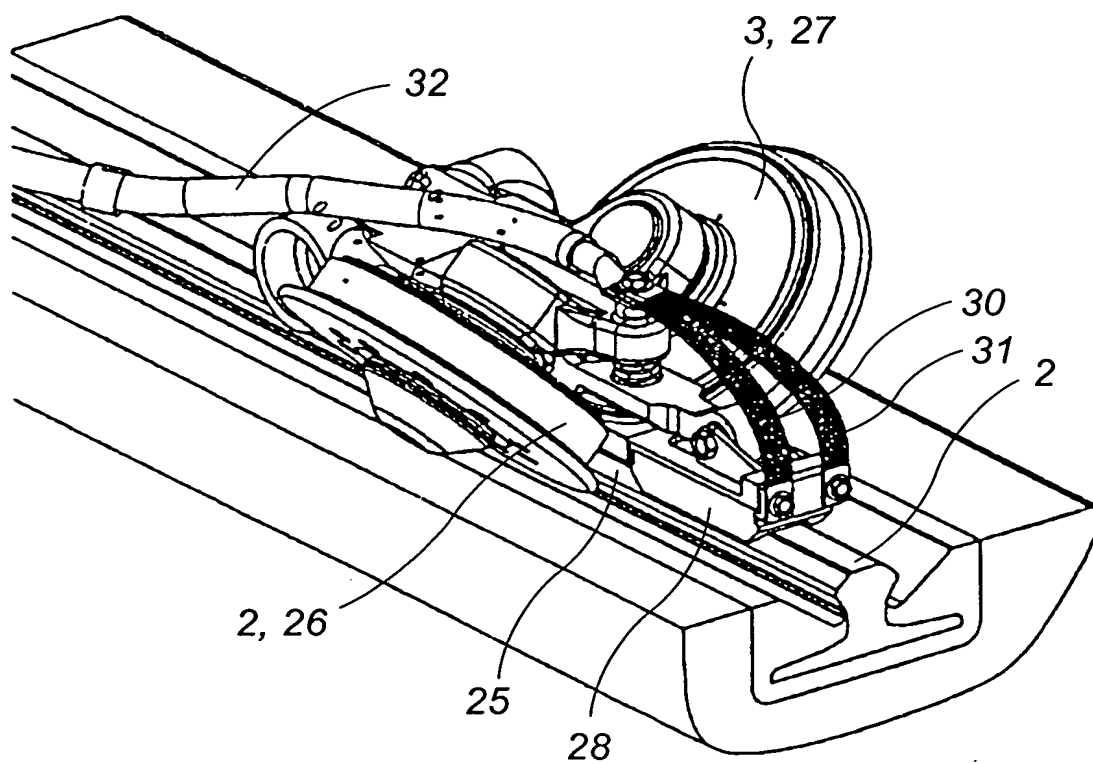
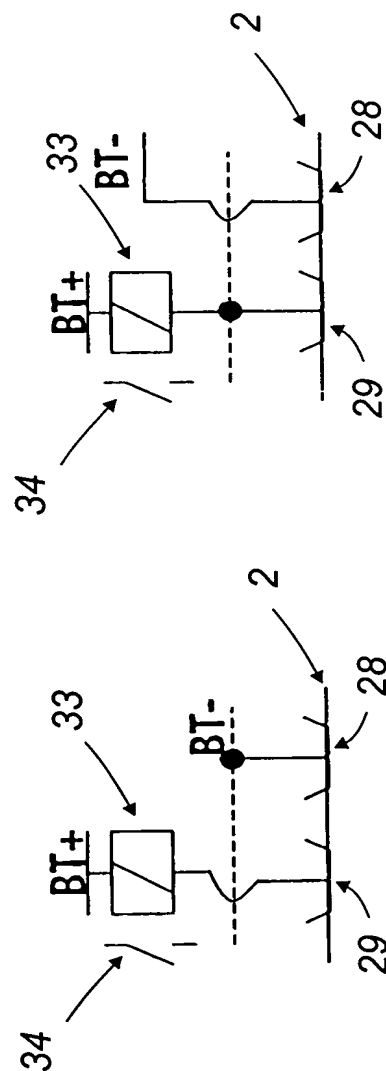
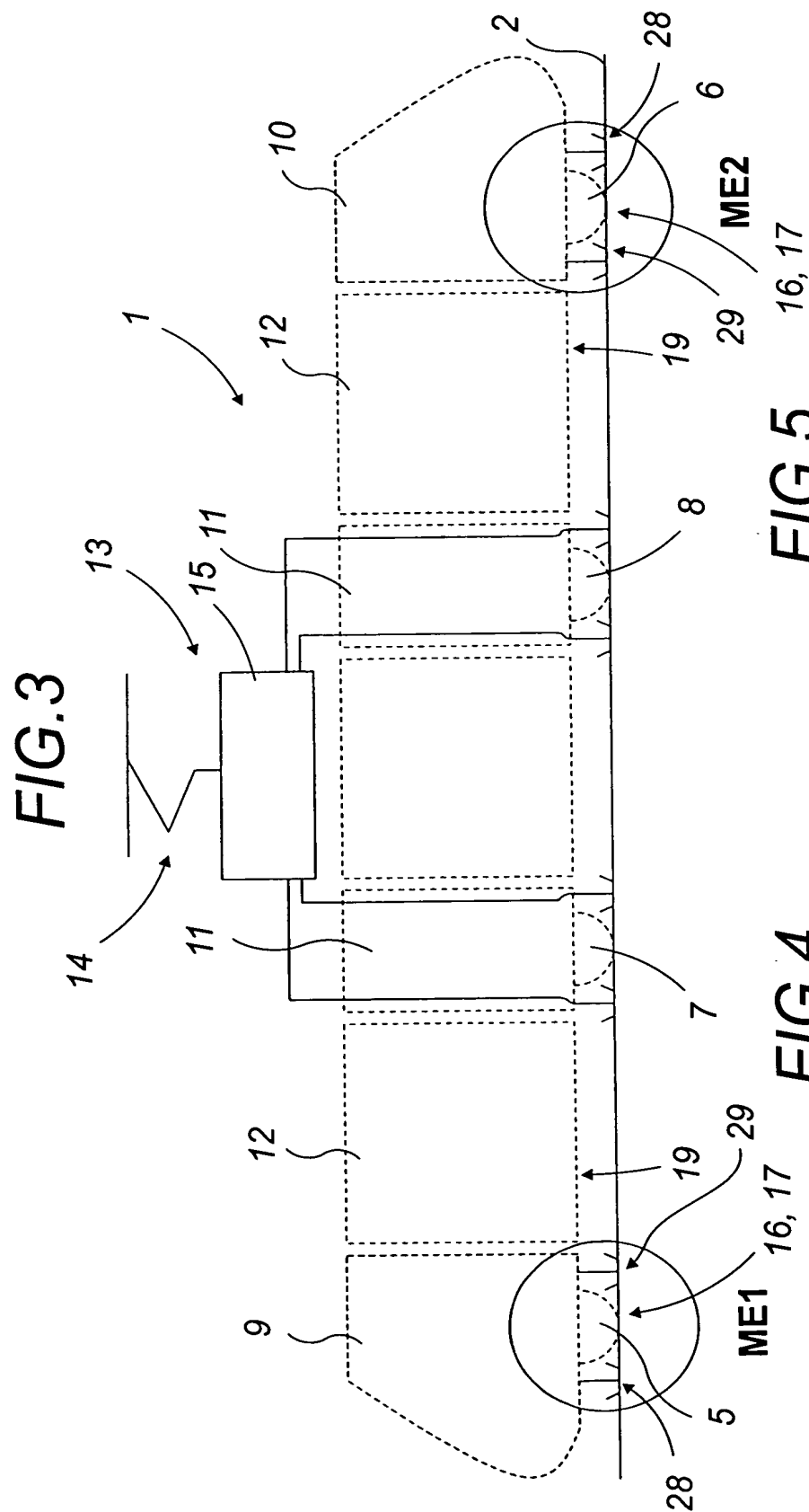


FIG. 2





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FIG.6

State of Shoes				Potential Risk	State of Safety Loop
ME1		ME2			
Shoe 29	Shoe 28	Shoe 29	Shoe 28		
0	0	0	0	no	⊗
0	0	0	1	no	⊗
0	0	1	0	no	⊗
0	0	1	1	no	⊗
0	1	0	0	no	⊗
0	1	0	1	YES	●
0	1	1	0	no	⊗
0	1	1	1	YES	●
1	0	0	0	no	⊗
1	0	0	1	no	⊗
1	0	1	0	no	●
1	0	1	1	no	●
1	1	0	0	no	⊗
1	1	0	1	YES	●
1	1	1	0	no	●
1	1	1	1	YES	●

0=shoe attached
1=shoe detached

Shoe 28 =
shoe connected to (-)
Shoe 29 =
shoe connected to (+)

● Safety loop open
⊗ Safety loop closed

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FIG.7

State of Shoes				Potential Risk	State of Safety Loop
ME1		ME2			
Shoe 29	Shoe 28	Shoe 29	Shoe 28		
0	0	0	0	no	⊗
0	0	0	1	no	⊗
0	0	1	0	no	⊗
0	0	1	1	no	⊗
0	1	0	0	no	⊗
0	1	0	1	YES	●
0	1	1	0	no	●
0	1	1	1	YES	●
1	0	0	0	no	⊗
1	0	0	1	no	●
1	0	1	0	no	●
1	0	1	1	no	●
1	1	0	0	no	⊗
1	1	0	1	YES	●
1	1	1	0	no	●
1	1	1	1	YES	●

0=shoe attached
1=shoe detached

Shoe 28 =
shoe connected to (-)
Shoe 29 =
shoe connected to (+)

● Safety loop open
⊗ Safety loop closed